AMENDMENTS TO THE CLAIMS

- (Cancelled).
- 2. (Currently Amended) A nucleoside or nucleotide having a 5-substituted-2-oxo(1H)-pyridin-3-yl group as a base, wherein the 5-position of the base is substituted with a substituent selected from the group consisting of the following:
 - 1) a photoreactive group selected from iodine and bromine;
 - 2) an alkenyl group, an alkynyl group or an amino group, or a derivative thereof:
 - [[3]] 2) biotin or a derivative thereof;
 - [[4]] 3) a fluorescent molecule selected from fluorescein, 6-carboxyfluorescein, tetramethyl-6-carboxyrhodamine, and derivatives thereof; and
 - [[5]] 4) biotin, dichloroacetyl group, fluorescein, 6-carboxyfluorescein, tetramethyl-6-carboxyrhodamine, or derivatives thereof introduced via a linker selected from an aminoalkyl group, an aminoalkenyl group and an aminoalkynyl group.
- 3. (Currently Amended) The nucleoside or nucleotide according to claim 2, wherein the 5-position of the base is substituted with 1) a photoreactive group selected from iodine and bromine, 2) an alkenyl group, an alkynyl group or an amino group, or a derivative thereof, or [[3]]] 2) biotin or a derivative thereof.
- 4. (Previously Presented) The nucleoside or nucleotide according to claim 2 or 3, wherein the 5-position of the base is substituted with an iodine or biotin derivative.

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5. (Currently Amended) A nucleic acid incorporating a nucleoside or nucleotide having a 5-

substituted-2-oxo(1H)-pyridin-3-yl group as a base, wherein the 5-position of the base is

substituted with a substituent selected from the group consisting of the following:

1) a photoreactive group selected from iodine and bromine;

2) an alkenyl group, an alkynyl group or an amino group, or a derivative thereof;

[[3)]] 2) biotin or a derivative thereof;

[[4)]] 3) a fluorescent molecule selected from fluorescein, 6-carboxyfluorescein,

tetramethyl-6-carboxyrhodamine, and derivatives thereof; and

[[5]] 4) biotin, dichloroacetyl group, fluorescein, 6-carboxyfluorescein, tetramethyl-6-

carboxyrhodamine, or derivatives thereof introduced via a linker selected from an

aminoalkyl group, an aminoalkenyl group and an aminoalkynyl group.

6. (Previously Presented) The nucleic acid according to claim 5, wherein the nucleotide forms a

base pair with a nucleotide having a 6-substituted 2-amino-purin-9-yl group as a base.

7. (Original) The nucleic acid according to claim 6, wherein the 6-substituted 2-amino-purin-9-

yl group is a 2-amino-6-(2-thienyl)purin-9-yl group or a 2-amino-6-(dimethylamino)-purin-9-yl

group.

8. (Previously Presented) The nucleic acid according to claim 5, which is suitable for use as

antisense DNA or RNA, a ribozyme or an aptamer.

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9. (Original) The nucleic acid according to claim 5, which encodes all or part of a protein or

peptide.

10. (Previously Presented) A method for preparing a prepared nucleic acid comprising:

effecting transcription, replication or reverse transcription by using, as a template, a

template nucleic acid containing a nucleotide having a 6-substituted 2-amino-purin-9-yl group as

a base in the presence of the nucleotide according to claim 2 or 3 to incorporate said nucleotide

as a base into said prepared nucleic acid at a site complementary to said 6-substituent 2-amino-

purin-9-yl group in said template nucleic acid.

11. (Currently Amended) The nucleic acid according to claim 5, wherein the nucleoside or

nucleotide at the 5-position of the base is substituted with 1) a photoreactive group selected from

iodine and bromine, 2) an alkenyl group, an alkynyl group or an amine group, or a derivative

thereof, or [[3)]] 2) biotin or a derivative thereof.

12. (Previously Presented) The nucleic acid according to claim 5, wherein the nucleoside or

nucleotide at the 5-position of the base is substituted with an iodine or biotin derivative.

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13. (Currently Amended) The nucleoside or nucleotide according to claim 2, wherein the 5-

position of the base is substituted with a substituent selected from the group consisting of:

1) a photoreactive group selected from iodine and bromine;

2) an alkenyl group, an alkynyl group or an amino group;

[[3]] 2) biotin;

[[4)]] 3) a fluorescent molecule selected from fluorescein, 6-carboxyfluorescein, and

tetramethyl-6-carboxyrhodamine; and

[[5)]] 4) biotin, dichloroacetyl group, fluorescein, 6-carboxyfluorescein, or tetramethyl-6-

carboxyrhodamine introduced via a linker selected from an aminoalkyl group, an

aminoalkenyl group and an aminoalkynyl group.

14. (Currently Amended) The nucleic acid according to claim 5, wherein the 5-position of the

base is substituted with a substituent selected from the group consisting of:

1) a photoreactive group selected from iodine and bromine;

2) an alkenyl group, an alkynyl group or an amino group:

[[3]] 2) biotin;

[[4)]] 3) a fluorescent molecule selected from fluorescein, 6-carboxyfluorescein, and

tetramethyl-6-carboxyrhodamine; and

[[5)]] 4) biotin, dichloroacetyl group, fluorescein, 6-carboxyfluorescein, or tetramethyl-6-

carboxyrhodamine introduced via a linker selected from an aminoalkyl group, an

aminoalkenyl group and an aminoalkynyl group.

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15. (Currently Amended) The method according to claim 10, wherein the 5-position of the base is substituted with a substituent selected from the group consisting of:

- 1) a photoreactive group selected from iodine and bromine;
- 2) an alkenyl group, an alkynyl group or an amino group;
- [[3)]] 2) biotin;
- [[4)]] 3) a fluorescent molecule selected from fluorescein, 6-carboxyfluorescein, and tetramethyl-6-carboxyrhodamine; and
- [[5)]] 4) biotin, dichloroacetyl group, fluorescein, 6-carboxyfluorescein, or tetramethyl-6-carboxyrhodamine introduced via a linker selected from an aminoalkyl group, an aminoalkenyl group and an aminoalkynyl group.